

Title (en)

Apparatus for contactless reflection measurement.

Title (de)

Remissionsmessgerät zur berührungslosen Messung.

Title (fr)

Appareil de mesure de la réflexion pour mesure sans contact.

Publication

**EP 0209860 A2 19870128 (DE)**

Application

**EP 86109873 A 19860718**

Priority

DE 3526553 A 19850725

Abstract (en)

[origin: US4756619A] A reflectance measuring apparatus for contactless measurement is described, in which the result of measurement is not dependent on the distance from the test object within a predetermined range. This is attained by disposing the light source in the focus of a condenser, and by providing that the measuring area is smaller than the core region inside the irradiated area on the surface of the test object.

Abstract (de)

Beschrieben wird ein Remissionsmeßgerät zur berührungslosen Messung, bei dem das Meßergebnis vom Abstand der Probe innerhalb eines Bereiches ( $\Delta d$ ) unabhängig ist. Dies wird dadurch erreicht, daß die Lichtquelle (11) im Fokus eines Kondensors (12) angeordnet ist und daß die Meßfläche (m) kleiner ist als der Kernbereich (k) innerhalb der Bestrahlungsfläche (b) auf der Probenoberfläche (10b).

IPC 1-7

**G01J 3/50**; **G01N 21/47**

IPC 8 full level

**G01J 3/50** (2006.01); **G01N 21/47** (2006.01); **G01J 3/28** (2006.01); **G01J 3/46** (2006.01); **G01N 21/86** (2006.01)

CPC (source: EP US)

**G01J 3/02** (2013.01 - EP US); **G01J 3/0208** (2013.01 - EP US); **G01N 21/474** (2013.01 - EP US); **G01J 3/2803** (2013.01 - EP US); **G01J 3/46** (2013.01 - EP US); **G01N 21/86** (2013.01 - EP US)

Cited by

EP0426047A3; EP0284811A3; EP0604276A1; FR2699677A1; US5428450A; EP0279191A3; EP0257749A1; US4988206A; EP0837317A1; US5894353A; US4865456A; WO8800338A1

Designated contracting state (EPC)

AT CH DE FR GB IT LI SE

DOCDB simple family (publication)

**EP 0209860 A2 19870128**; **EP 0209860 A3 19890322**; **EP 0209860 B1 19930113**; AT E84617 T1 19930115; CA 1278702 C 19910108; DE 3526553 A1 19870129; DE 3687490 D1 19930225; JP 2518822 B2 19960731; JP S6316247 A 19880123; US 4756619 A 19880712

DOCDB simple family (application)

**EP 86109873 A 19860718**; AT 86109873 T 19860718; CA 514381 A 19860722; DE 3526553 A 19850725; DE 3687490 T 19860718; JP 17195886 A 19860723; US 88933086 A 19860723